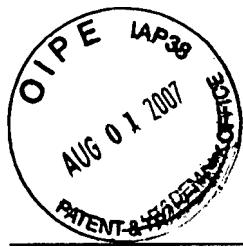


TSW/2839



REVOCATION OF PRIOR POWERS OF ATTORNEY  
APPOINTMENT OF NEW POWERS OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS

---

in re

Applicant/Patent Owner: **SIEMENS VDO AUTOMOTIVE CORPORATION**

Application No.: **09/957,047** Filing Date: **9/20/2001**

Publication No.: **2002-0111050** Publication Date: **8/15/2002**

Patent No.: **6793502** Issue Date: **9/21/2004**

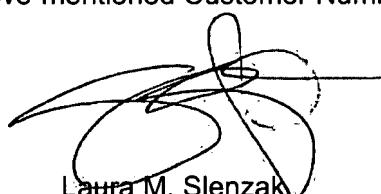
**Entitled: Press (Non-Soldered) Contacts for High Current Electrical Connections In Power Modules**

---

Siemens VDO Automotive Corporation, a Delaware corporation, as assignee of the entire right, title, and interest in the patent application/patent identified above by virtue of an assignment averred per the attached Statement Under 37 CFR 3.73(b) , hereby:

- a) revokes all previous powers of attorney given in the above-identified application.
- b) appoints all Practitioners associated with the Customer Number: 028524 as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.
- c) requests change the correspondence address for the above-identified application to the address associated with the above-mentioned Customer Number.

19 July 2007



Laura M. Slenzak  
Assistant Secretary for Intellectual Property Matters  
Siemens VDO Automotive Corporation

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: **SIEMENS VDO AUTOMOTIVE CORPORATION**

Application No.: **09/957,047**

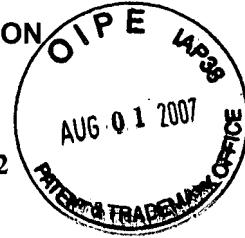
Filing Date: **9/20/2001**

Publication No.: **2002-0111050**

Publication Date: **8/15/2002**

Patent No.: **6793502**

Issue Date: **9/21/2004**



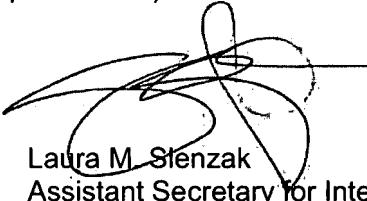
Entitled: **Press (Non-Soldered) Contacts for High Current Electrical Connections In Power Modules**

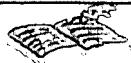
Siemens VDO Automotive Corporation, a Delaware corporation, states that it is: the assignee of the entire right, title, and interest in the patent application/patent identified above by virtue of an assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at **Reel 019077, Frame 0840**, for which a copy thereof is attached.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was already submitted for recordation pursuant to 37 CFR 3.11.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

19 July 2007

  
Laura M. Stenzak  
Assistant Secretary for Intellectual Property Matters  
Siemens VDO Automotive Corporation



United States Patent and Trademark Office

## Patent Assignment Details

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

Reel/Frame: 019077/0840

Pages: 7

**Recorded:** 3/28/2007

**Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).**

**Total properties: 104**



United States Patent and Trademark Office

**Patent Assignment Details**

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

Reel/Frame: 019077/0840

Pages: 7

Recorded: 3/28/2007

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104

|    |           |                |           |            |                |         |            |            |   |
|----|-----------|----------------|-----------|------------|----------------|---------|------------|------------|---|
| 19 | Patent #: | <u>6239575</u> | Issue Dt: | 5/29/2001  | Application #: | 9502869 | Filing Dt: | 2/11/2000  | Title: Induction motor power/torque clamping for electric vehicle performance   |
| 20 | Patent #: | <u>6330143</u> | Issue Dt: | 12/11/2001 | Application #: | 9512480 | Filing Dt: | 2/23/2000  | Title: Automatic over-current protection of transistors   |
| 21 | Patent #: | <u>6169679</u> | Issue Dt: | 1/2/2001   | Application #: | 9532796 | Filing Dt: | 3/21/2000  | Title: Method and system for synchronizing the phase angles of parallel connected inverters                                       |
| 22 | Patent #: | <u>6291960</u> | Issue Dt: | 9/18/2001  | Application #: | 9533296 | Filing Dt: | 3/22/2000  | Title: Pulse width modulated motor control system and method for reducing noise vibration and harshness                           |
| 23 | Patent #: | <u>6327524</u> | Issue Dt: | 12/4/2001  | Application #: | 9561546 | Filing Dt: | 4/28/2000  | Title: System for high efficiency motor control   |
| 24 | Patent #: | <u>6366049</u> | Issue Dt: | 4/2/2002   | Application #: | 9567592 | Filing Dt: | 5/10/2000  | Title: Motor starter and speed controller system  |
| 25 | Patent #: | <u>6178103</u> | Issue Dt: | 1/23/2001  | Application #: | 9567965 | Filing Dt: | 5/10/2000  | Title: Method and circuit for synchronizing parallel voltage source inverters   |
| 26 | Patent #: | <u>6212085</u> | Issue Dt: | 4/3/2001   | Application #: | 9593613 | Filing Dt: | 6/13/2000  | Title: Integrated dual voltage sourced inverter   |
| 27 | Patent #: | <u>6362988</u> | Issue Dt: | 3/26/2002  | Application #: | 9606865 | Filing Dt: | 6/29/2000  | Title: OPERATION WITH A GRID  |
| 28 | Patent #: | <u>6239997</u> | Issue Dt: | 5/29/2001  | Application #: | 9653478 | Filing Dt: | 9/1/2000   | Title: Method and system for connecting and synchronizing a supplemental power source to a power grid                             |
| 29 | Patent #: | <u>6388419</u> | Issue Dt: | 5/14/2002  | Application #: | 9653654 | Filing Dt: | 9/1/2000   | Title: Motor control system   |
| 30 | Patent #: | <u>6572416</u> | Issue Dt: | 6/3/2003   | Application #: | 9682976 | Filing Dt: | 11/5/2001  | Publication #: <u>US20030087560</u><br>Pub Dt: 5/8/2003<br>Title: THREE-PHASE CONNECTOR FOR ELECTRIC VEHICLE DRIVETRAIN           |
| 31 | Patent #: | <u>6646837</u> | Issue Dt: | 11/11/2003 | Application #: | 9682994 | Filing Dt: | 11/6/2001  | Publication #: <u>US20020190580</u><br>Pub Dt: 12/19/2002<br>Title: ACTIVE GROUND CURRENT REDUCTION DEVICE                        |
| 32 | Patent #: | <u>6744158</u> | Issue Dt: | 6/1/2004   | Application #: | 9683018 | Filing Dt: | 11/8/2001  | Publication #: <u>US20020089244</u><br>Pub Dt: 7/11/2002<br>Title: ELECTRIC MACHINE WITH COOLING RINGS                            |
| 33 | Patent #: | <u>6631960</u> | Issue Dt: | 10/14/2003 | Application #: | 9683171 | Filing Dt: | 11/28/2001 | Publication #: <u>US20030132664</u><br>Pub Dt: 7/17/2003<br>Title: SERIES REGENERATIVE BRAKING TORQUE CONTROL SYSTEMS AND METHODS |
| 34 | Patent #: | <u>6496393</u> | Issue Dt: | 12/17/2002 | Application #: | 9683172 | Filing Dt: | 11/28/2001 | Title: INTEGRATED TRACTION INVERTER MODULE AND BI-DIRECTIONAL DC/DC CONVERTER   |
| 35 | Patent #: | <u>6465977</u> | Issue Dt: | 10/15/2002 | Application #: | 9683176 | Filing Dt: | 11/29/2001 |   |



United States Patent and Trademark Office

## Patent Assignment Details

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

Reel/Frame: 019077/0840

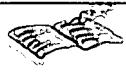
Pages: 7

Recorded: 3/28/2007

**Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).**

**Total properties: 104**

**Title: SYSTEM AND METHOD FOR CONTROLLING TORQUE IN AN ELECTRICAL MACHINE**



United States Patent and Trademark Office

## Patent Assignment Details

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

Reel/Frame: 019077/0840

Pages: 7

Recorded: 3/28/2007

**Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).**

Total properties: 104



United States Patent and Trademark Office

Patent Assignment Details

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

Reel/Frame: 019077/0840

Pages: 7

Recorded: 3/28/2007

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104

|    |                |   |           |            |                |          |            |            |
|----|----------------|---|-----------|------------|----------------|----------|------------|------------|
| 62 | Patent #:      | 6927988   | Issue Dt: | 8/9/2005   | Application #: | 10447708 | Filing Dt: | 5/28/2003  |
|    | Publication #: | <u>US20040034508</u>  | Pub Dt:   | 2/19/2004  |                |          |            |            |
|    | Title:         | CONVERTER CIRCUITS  |           |            |                |          |            |            |
| 63 | Patent #:      | 6936991   | Issue Dt: | 8/30/2005  | Application #: | 10449824 | Filing Dt: | 5/30/2003  |
|    | Publication #: | <u>US20040036434</u>  | Pub Dt:   | 2/26/2004  |                |          |            |            |
|    | Title:         | METHOD AND APPARATUS FOR MOTOR CONTROL  |           |            |                |          |            |            |
| 64 | Patent #:      | 6845020   | Issue Dt: | 1/18/2005  | Application #: | 10453920 | Filing Dt: | 6/2/2003   |
|    | Publication #: | <u>US20040027839</u>  | Pub Dt:   | 2/12/2004  |                |          |            |            |
|    | Title:         | POWER CONVERTER SYSTEM  |           |            |                |          |            |            |
| 65 | Patent #:      | 6867987   | Issue Dt: | 3/15/2005  | Application #: | 10461933 | Filing Dt: | 6/13/2003  |
|    | Publication #: | <u>US20040252531</u>  | Pub Dt:   | 12/16/2004 |                |          |            |            |
|    | Title:         | MULTILEVEL INVERTER CONTROL SCHEMES   |           |            |                |          |            |            |
| 66 | Patent #:      | 6900643   | Issue Dt: | 5/31/2005  | Application #: | 10637754 | Filing Dt: | 8/6/2003   |
|    | Publication #: | <u>US20050030045</u>  | Pub Dt:   | 2/10/2005  |                |          |            |            |
|    | Title:         | RIDE THROUGH IN ELECTRONIC POWER CONVERTERS                                   |           |            |                |          |            |            |
| 67 | Patent #:      | 6906404   | Issue Dt: | 6/14/2005  | Application #: | 10642391 | Filing Dt: | 8/14/2003  |
|    | Publication #: | <u>US20040227231</u>  | Pub Dt:   | 11/18/2004 |                |          |            |            |
|    | Title:         | POWER MODULE WITH VOLTAGE OVERSHOOT LIMITING                                  |           |            |                |          |            |            |
| 68 | Patent #:      | 6987670   | Issue Dt: | 1/17/2006  | Application #: | 10642424 | Filing Dt: | 8/14/2003  |
|    | Publication #: | <u>US20040228094</u>  | Pub Dt:   | 11/18/2004 |                |          |            |            |
|    | Title:         | DUAL POWER MODULE POWER SYSTEM ARCHITECTURE                                   |           |            |                |          |            |            |
| 69 | Patent #:      | 7058755   | Issue Dt: | 6/6/2006   | Application #: | 10658124 | Filing Dt: | 9/9/2003   |
|    | Publication #: | <u>US20050055496</u>  | Pub Dt:   | 3/10/2005  |                |          |            |            |
|    | Title:         | EEPROM EMULATION IN FLASH MEMORY  |           |            |                |          |            |            |
| 70 | Patent #: NONE |   | Issue Dt: |            | Application #: | 10658804 | Filing Dt: | 9/9/2003   |
|    | Publication #: | <u>US20060274561</u>  | Pub Dt:   | 12/7/2006  |                |          |            |            |
|    | Title:         | Tri-level inverter  |           |            |                |          |            |            |
| 71 | Patent #: NONE |   | Issue Dt: |            | Application #: | 10664808 | Filing Dt: | 9/17/2003  |
|    | Publication #: | <u>US20040230847</u>  | Pub Dt:   | 11/18/2004 |                |          |            |            |
|    | Title:         | Power converter architecture employing at least one capacitor across a DC bus |           |            |                |          |            |            |
| 72 | Patent #:      | 7019996   | Issue Dt: | 3/28/2006  | Application #: | 10688834 | Filing Dt: | 10/16/2003 |
|    | Publication #: | <u>US20050083714</u>  | Pub Dt:   | 4/21/2005  |                |          |            |            |
|    | Title:         | POWER CONVERTER EMPLOYING A PLANAR TRANSFORMER                                |           |            |                |          |            |            |
| 73 | Patent #: NONE |   | Issue Dt: |            | Application #: | 10713552 | Filing Dt: | 11/14/2003 |
|    | Publication #: | <u>US20050105229</u>  | Pub Dt:   | 5/19/2005  |                |          |            |            |
|    | Title:         | Two-level protection for uninterrupted power supply                           |           |            |                |          |            |            |
| 74 | Patent #:      | 6940735   | Issue Dt: | 9/6/2005   | Application #: | 10713767 | Filing Dt: | 11/14/2003 |
|    | Publication #: | <u>US20050105306</u>  | Pub Dt:   | 5/19/2005  |                |          |            |            |
|    | Title:         | POWER CONVERTER SYSTEM  |           |            |                |          |            |            |



United States Patent and Trademark Office

**Patent Assignment Details**

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

Reel/Frame: 019077/0840

Pages:

7

Recorded: 3/28/2007

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104

|   |                                     |                     |                         |                       |
|---|-------------------------------------|---------------------|-------------------------|-----------------------|
| 88  | Patent #: <u>7046535</u>            | Issue Dt: 5/16/2006 | Application #: 11003542 | Filing Dt: 12/3/2004  |
|   | Publication #: <u>US20050152100</u> | Pub Dt: 7/14/2005   |                         |                       |
| Title: ARCHITECTURE FOR POWER MODULES SUCH AS POWER INVERTERS                           |                                     |                     |                         |                       |
| 89  | Patent #: NONE                      | Issue Dt:           | Application #: 11010560 | Filing Dt: 12/13/2004 |
|   | Publication #: <u>US20050152101</u> | Pub Dt: 7/14/2005   |                         |                       |
| Title: Architecture for power modules such as power inverters                           |                                     |                     |                         |                       |
| 90  | Patent #: NONE                      | Issue Dt:           | Application #: 11010561 | Filing Dt: 12/13/2004 |
|   | Publication #: <u>US20050162875</u> | Pub Dt: 7/28/2005   |                         |                       |
| Title: Architecture for power modules such as power inverters                           |                                     |                     |                         |                       |
| 91  | Patent #: NONE                      | Issue Dt:           | Application #: 11010950 | Filing Dt: 12/13/2004 |
|   | Publication #: <u>US20060007721</u> | Pub Dt: 1/12/2006   |                         |                       |
| Title: Architecture for power modules such as power inverters                           |                                     |                     |                         |                       |
| 92  | Patent #: NONE                      | Issue Dt:           | Application #: 11095035 | Filing Dt: 3/30/2005  |
|   | Publication #: <u>US20050253543</u> | Pub Dt: 11/17/2005  |                         |                       |
| Title: Method, apparatus and article for vibration compensation in electric drivetrains |                                     |                     |                         |                       |
| 93  | Patent #: NONE                      | Issue Dt:           | Application #: 11096236 | Filing Dt: 3/30/2005  |
|   | Publication #: <u>US20050254273</u> | Pub Dt: 11/17/2005  |                         |                       |
| Title: Method, apparatus and article for bi-directional DC/DC power conversion          |                                     |                     |                         |                       |
| 94  | Patent #: NONE                      | Issue Dt:           | Application #: 11192321 | Filing Dt: 7/28/2005  |
|   | Publication #: <u>US20060022541</u> | Pub Dt: 2/2/2006    |                         |                       |
| Title: Rotor hub and assembly for a permanent magnet power electric machine             |                                     |                     |                         |                       |
| 95  | Patent #: <u>7187558</u>            | Issue Dt: 3/6/2007  | Application #: 11245723 | Filing Dt: 10/6/2005  |
|   | Publication #: <u>US20060028806</u> | Pub Dt: 2/9/2006    |                         |                       |
| Title: LEADFRAME-BASED MODULE DC BUS DESIGN TO REDUCE MODULE INDUCTANCE                 |                                     |                     |                         |                       |
| 96  | Patent #: NONE                      | Issue Dt:           | Application #: 11250180 | Filing Dt: 10/12/2005 |
|   | Publication #: <u>US20070080655</u> | Pub Dt: 4/12/2007   |                         |                       |
| Title: Method, apparatus and article for detecting rotor position                       |                                     |                     |                         |                       |
| 97  | Patent #: NONE                      | Issue Dt:           | Application #: 11255162 | Filing Dt: 10/20/2005 |
|   | Publication #: <u>US20060152085</u> | Pub Dt: 7/13/2006   |                         |                       |
| Title: Power system method and apparatus  |                                     |                     |                         |                       |
| 98  | Patent #: NONE                      | Issue Dt:           | Application #: 11262519 | Filing Dt: 10/27/2005 |
|   | Publication #: <u>US20070097569</u> | Pub Dt: 5/3/2007    |                         |                       |
| Title: System and method of over voltage control for a power system                     |                                     |                     |                         |                       |
| 99  | Patent #: NONE                      | Issue Dt:           | Application #: 11282301 | Filing Dt: 11/18/2005 |
|   | Publication #: <u>US20070114954</u> | Pub Dt: 5/24/2007   |                         |                       |
| Title: System and method of commonly controlling power converters                       |                                     |                     |                         |                       |
| 100   | Patent #: <u>7193860</u>            | Issue Dt: 3/20/2007 | Application #: 11292870 | Filing Dt: 12/2/2005  |
|   | Publication #: <u>US20060082983</u> | Pub Dt: 4/20/2006   |                         |                       |
| Title: LEADFRAME-BASED MODULE DC BUS DESIGN TO REDUCE MODULE INDUCTANCE                 |                                     |                     |                         |                       |



United States Patent and Trademark Office

### Patent Assignment Details

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

Reel/Frame: 019077/0840

Recorded: 3/28/2007

Pages: 7

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104

|     |  |  |   |
|-----|--|--|---|
| 101 | Patent #: NONE<br>Publication #: <u>US20070147097</u><br>Title: house keeping power supply   | Issue Dt: 6/28/2007<br>Pub Dt: 6/28/2007 | Application #: 11317658 Filing Dt: 12/22/2005 |
| 102 | Patent #: NONE<br>Publication #: <u>US20060099463</u><br>Title: Direct current/direct current converter for a fuel cell system       | Issue Dt: 5/11/2006<br>Pub Dt: 5/11/2006 | Application #: 11318166 Filing Dt: 12/23/2005 |
| 103 | Patent #: NONE<br>Publication #: <u>US20070012492</u><br>Title: Power generation system suitable for hybrid electric vehicles        | Issue Dt: 1/18/2007<br>Pub Dt: 1/18/2007 | Application #: 11472486 Filing Dt: 6/20/2006  |
| 104 | Patent #: NONE<br>Publication #: <u>US20070016340</u><br>Title: Controller method, apparatus and article suitable for electric drive | Issue Dt: 1/18/2007<br>Pub Dt: 1/18/2007 | Application #: 11480311 Filing Dt: 6/29/2006  |

**Assignor**

1 BALLARD POWER SYSTEMS CORPORATION

**Assignee**

1 SIEMENS VDO AUTOMOTIVE CORPORATION

2400 EXECUTIVE HILLS BLVD.  
AUBURN HILLS, MICHIGAN 48326-2980

**Correspondence name and address**

ELSA KELLER  
SIEMENS CORPORATION INTELLECTUAL ET AL  
170 WOOD AVENUE SOUTH  
ISELIN, NJ 08830

Search Results as of: 07/10/2007 02:11 PM

If you have any comments or questions concerning the data displayed, contact PRD / Assignments at 571-272-3350 v.2.0.1

Web interface last modified: April 20, 2007 v.2.0.1